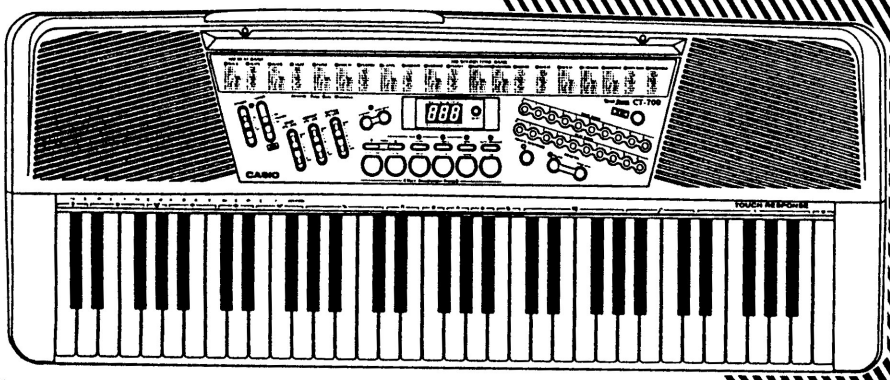
TONE BANK KEYBOARD

# CT-700

ELECTRONIC MUSICAL INSTRUMENT
INSTRUMENTO MUSICAL ELECTRONICO


OPERATION MANUAL 2

MANUAL DE OPERACION 30


英 西

# TONE BANK KEYBOARDS CT-700

## ELECTRONIC MUSICAL INSTRUMENT

### Introduction

Your new CT-700 keyboard is a state-of-the-art musical instrument which incorporates the latest electronics technology to make its operation as easy as possible. Exceptional sound quality backed up by a host of sophisticated features and functions makes this keyboard a joy to play for everyone.

In order to enjoy the features and functions of this unit to their fullest, be sure to carefully read this manual and follow the instructions contained herein.

**Precaution**

The batteries that come with the unit are test batteries. If battery power drops below a certain level, the quality of the tone produced deteriorates, a totally different tone may sound, or the demo tune or auto rhythm may become abnormal. Should any of these symptoms occur, replace batteries as soon as possible.



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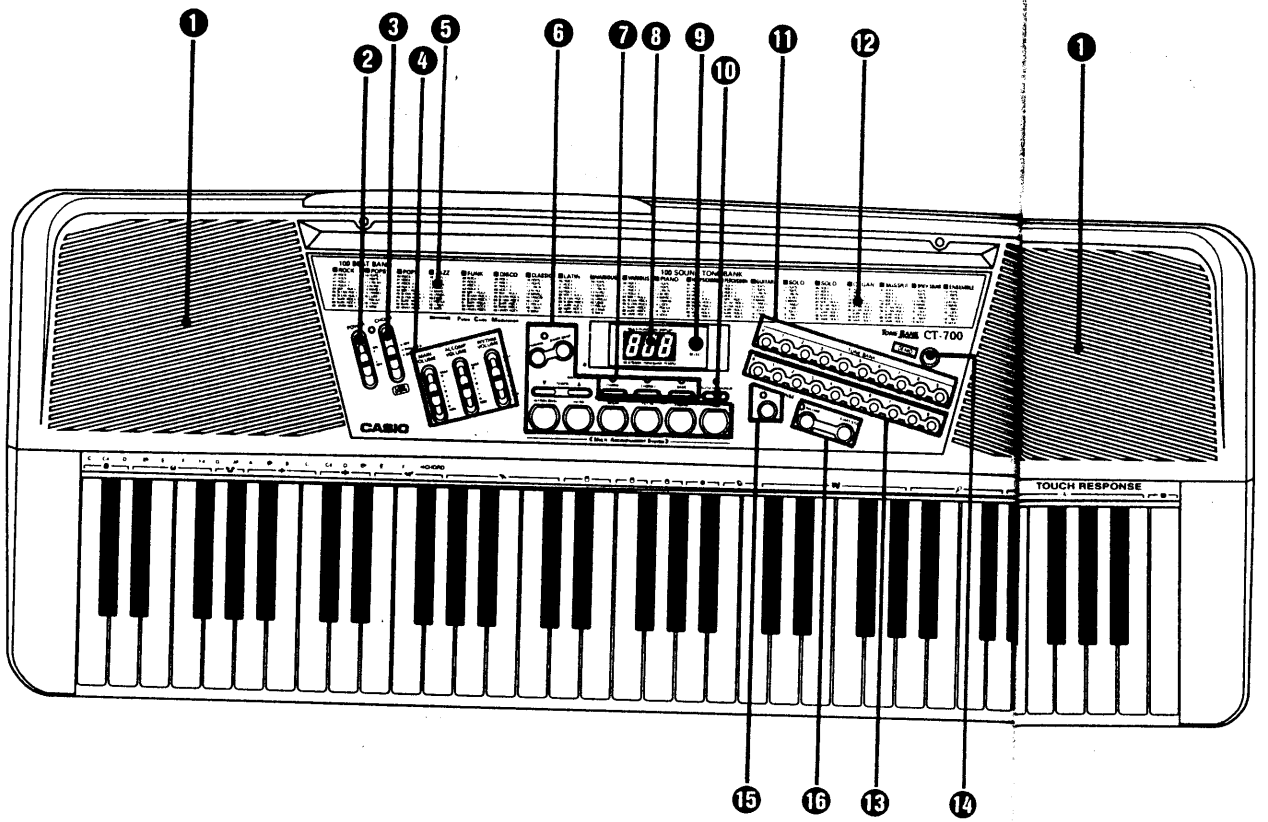
# 1 General Guide

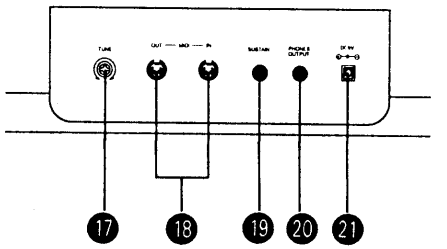





❶ Built-in speakers
❷ POWER switch
❸ CASIO CHORD selector
❹ VOLUME sliders
❺ 100 BEAT BANK list
❻ MUSICAL CONTROLLER buttons
❼ ORCHESTRATION buttons
❽ 3-digit display
❾ SELECT button
❿ AUTO HARMONIZE button
⓫ TONE selectors
⓬ 100 TONE BANK list
⓭ BEAT selectors
⓮ DEMO button
⓯ TOUCH RESPONSE button
⓰ MEMORY buttons



<Rear panel>



⓱ Tuning control
⓲ MIDI terminals (IN/OUT)
⓳ SUSTAIN jack
⓴ PHONES/OUTPUT jack
㉑ AC adaptor jack

## Demonstration Tune

This unit features a preset demonstration tune which has been carefully programmed to showcase all the features and benefits of this unit. Simply press the DEMO button ⓮, and listen to the CT-700 play.

DEMO

- *The demonstration tune is played in an endless loop. Press the DEMO button again to stop the tune.*
- *The keyboard is inoperable while playing the demonstration tune.*

# 2 Choosing a Power Supply

You can power your keyboard with 6 D batteries, standard AC power (with an optional AC adaptor) or by plugging in to the cigarette lighter of a car (with an optional car adaptor).

## ■ Installing the batteries

This unit can be powered by 6 D size (SUM-1/R20P) manganese dry cell batteries. Make sure that the POWER switch is set to OFF position when installing batteries.

① Open the battery compartment cover on the bottom of the unit.
② Load new batteries taking care that the plus (+) and minus (−) poles are facing in the correct directions.

- *Standard battery life is approximately 8 hours.*

## PRECAUTIONS

Incorrectly using batteries can cause them to leak or burst, and may damage your product. Note the following precautions:

- Be sure that the plus (+) and minus (−) poles are facing in the correct directions.
- Do not mix battery types.
- Do not mix new batteries with old ones.
- Never leave dead batteries in the battery compartment.
- Remove batteries when not using the product for extended periods.
- Never try to recharge the batteries that are specified for the power supply of this unit.
- Do not expose batteries to direct heat, let them become shorted or try to take them apart.

*(If a battery leaks, clean out the battery compartment of the product immediately, taking care to avoid letting the battery fluid come into direct contact with your skin.)*





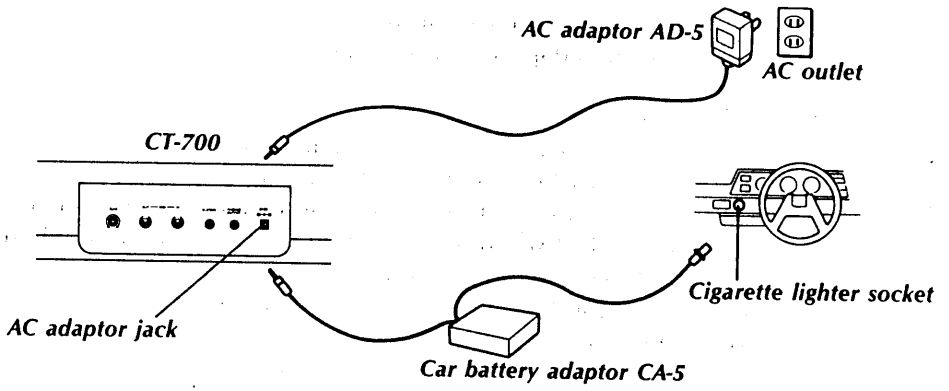
## ■ Using AC Power

An AC adaptor (AD-5, optional) is required when using household current. Use only a genuine CASIO adaptor with the same voltage rating (100, 117, 220 or 240) as the power supply in your area to prevent damage to internal components. Plug the AC adaptor into the AC outlet and the cord into the unit. This will automatically cut off the battery power supply.

## ■ Using a car's cigarette lighter

With the car battery adaptor (CA-5, optional), DC power is supplied from a car battery through the cigarette lighter socket.

- *Car battery adaptor may not be available in some areas.*



## IMPORTANT

- The adaptor may become warm when it is being used. This is normal and does not indicate any problem.
- Be sure to unplug the adaptor from the power source when you are not using the unit.
- Whenever connecting or disconnecting the adaptor, be sure that the power of the unit is switched off.
- Be sure to unplug the car adaptor from the cigarette lighter socket when you are not using the unit. Leaving the car adaptor plugged in can cause damage or can run down your car's battery.
- Never connect the car adaptor to a 24V DC cigarette lighter (in a bus or truck). Doing so can damage the unit.
- Certain makers of cars may have non-standard cigarette lighter shapes or sizes. Be sure to check the size of your car's cigarette lighter before using the car adaptor.
- Never use a power supply that does not match that specified for the unit. Doing so can damage the adaptor or your unit.

### ■ Memory Back-Up Power

The Performance Memory (page 21) is electronic memory, which means that it retains its contents even when you switch power off, as long as power is supplied through the AC adaptor or by batteries. This means that Performance Memory contents will be lost when there are no batteries loaded (or when the batteries go dead) and the AC adaptor is not plugged in (or power through the AC adaptor is interrupted for any reason). Note the following advice to keep your Performance Memory data safe.

- *Make sure that the batteries loaded in the keyboard never go dead.*
- *When replacing batteries, be sure to connect the AC adaptor to supply power first. See the section of this manual titled: "Installing the batteries" for full details.*

### ■ Auto power off function

Power is automatically cut off approximately 6 minutes after the last operation of the unit. Power supply can be restored by switching power OFF and then ON again.



# 3 General Operations

- *Refer to the general guide found on page 4-5 for exact locations of this keyboard controls and connections.*

### ■ Getting started

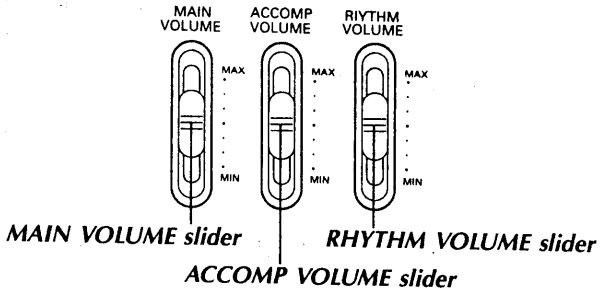
① Set the POWER switch to ON.
② Adjust the volume level using the MAIN VOLUME slider.
③ Select one of the 100 preset tones (see "Preset Tones", page 10).
④ Now, start playing.

### ■ VOLUME sliders

**MAIN VOLUME slider:**
Adjusts the overall volume of the unit.

**ACCOMP VOLUME slider:**
Adjusts the volume of the accompaniment pattern.

**RHYTHM VOLUME slider:**
Adjusts the volume of the auto-rhythm.




### ■ Tuning control

You can adjust the pitch of the entire keyboard within ±30 cents using the tuning control on the rear panel. This allows easy tuning with other instruments.

# 4 Preset Tones (100-SOUND TONE BANK)

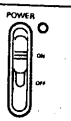
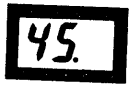
- *Refer to the general guide found on page 4-5 for exact locations of this keyboard controls and connections.*

## ■ Selecting a preset tone

This unit features 100 preset tones to choose from. Each tone has a 2-digit number. To select a preset tone, find its preset tone number in the 100 SOUND TONE BANK list on the keyboard's top panel, and enter the number using the TONE selectors.

- *"PIANO 1" tone (No.00) is selected automatically whenever you switch the power of the keyboard ON.*

To select a tone, follow the steps below.

| | | |
|---|---|---|
| ① Set the POWER switch to the ON position. |  | |
| ② Enter the tone's two-digit number by pressing the TONE selectors. For example, to select CELLO (No.45), press [4] [5]. | •Be sure to press the TONE selectors, not BEAT selectors. |  |
| ③ To change the tone, repeat Step 2 above. | ——— | ——— |

### Note

You can also change the selected tone by pressing only one TONE selector. Note the following:

| Selected tone | → | Press | → | Newly selected tone |
|---|---|---|---|---|
| No.50 | | 0 | | No.00 |
| No.00 | | 2 | | No.02 |
| No.02 | | 5 | | No.25 |

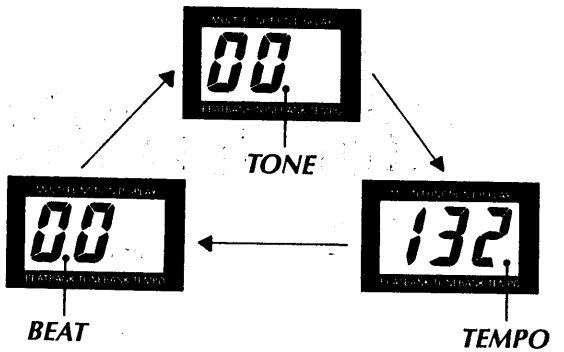




## ■ To change the display (using SELECT button)

The 3-digit display on the front panel of this unit actually displays 3 different values: TONE number, BEAT number and TEMPO value. You can change the display by pressing the SELECT button located to the right of the 3-digit display.

When the SELECT button is pressed, display changes as shown below.




## ■ About touch response

This unit features "Touch response" function which controls the volume of the tones produced according to the keyboard pressure.

### Using TOUCH RESPONSE button

You can switch touch response function on and off using TOUCH RESPONSE button. When TOUCH RESPONSE is switched off, tones are produced at a fixed volume regardless of the keyboard pressure.

### Notes

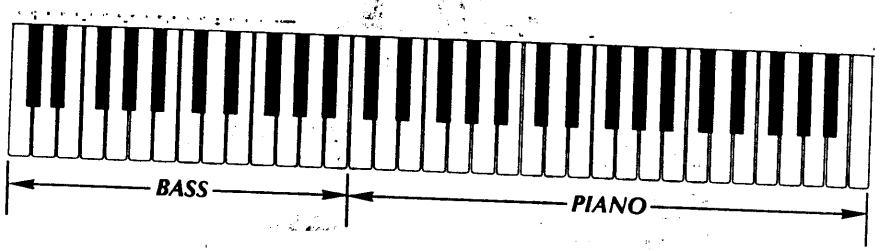
- *TOUCH RESPONSE is ON when the power of the unit is switched ON.*
- *TOUCH RESPONSE function does not operate on the accompaniment keyboard keys (see page 15) when the CASIO CHORD selector is set to ON or FINGERED.*

## ■ Keyboard split tones

Some of the preset tones split the keyboard and assign two or more sounds. With such a preset tone, the sound produced depends on what position of the keyboard you play. For example, BASS/PIANO (tone 75) puts BASS on the left and PIANO on the right of the keyboard.

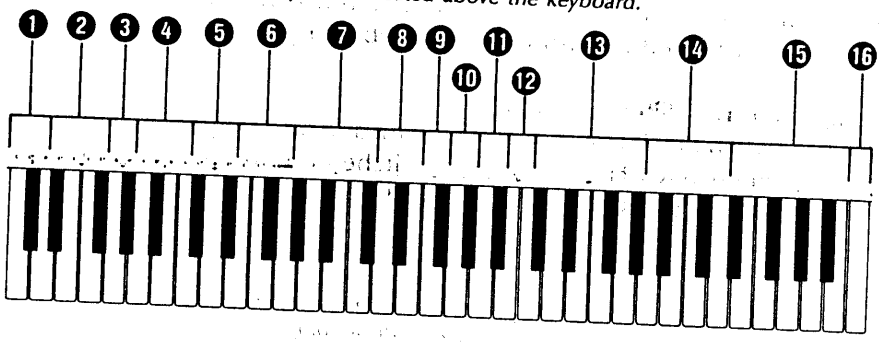
**<Example>**

**BASS/PIANO (No. 75)**




**PERCUSSION (No. 29)**

- *PERCUSSION (tone 29) assigns 16 percussion sounds to the keyboard as illustrated below. The sounds assigned to each key are indicated above the keyboard.*




1. Bass drum
2. Snare drum
3. Reverb snare drum
4. Closed hi-hat
5. Open hi-hat
6. Crash cymbal
7. Ride symbal
8. Hi tom
9. Mid tom
10. Low tom
11. Floor tom
12. Cow bell
13. Timbales
14. Maracas
15. Claves
16. Rim shot



# 5 Auto-rhythms (100 BEAT BANK)

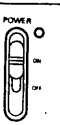
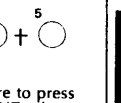
- *Refer to the general guide found on page 4–5 for exact locations of this keyboard controls and connections.*

## ■ Selecting an auto-rhythm

This unit features 100 auto-rhythms to choose from. Each rhythm has a 2-digit number. To select an auto-rhythm, find its rhythm number in the 100 BEAT BANK list on the keyboard's top panel, and enter the number using the BEAT selectors.

- *"ROCK 1" rhythm (No.00) is selected automatically whenever you switch the power of the keyboard ON.*

To select an auto-rhythm, follow the steps below.

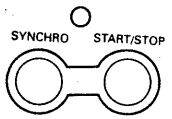
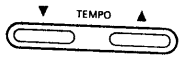
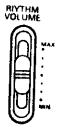
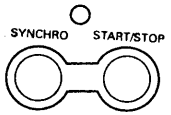
| | | |
|---|---|---|
| ① Set the POWER switch to the ON position. |  | |
| ② Enter the rhythm's two-digit number by pressing the BEAT selectors. For example, to select SHUFFLE 2 (No.45), press [4] [5]. |  •Be sure to press the BEAT selectors, not TONE selectors. | |
| ③ To change the rhythm, repeat Step 2 above. | | |

### Note

You can also change the selected rhythm by pressing only one BEAT selector. Note the following:

| Selected rhythm | → | Press | → | Newly selected rhythm |
|---|---|---|---|---|
| No.50 | | 0 | | No.00 |
| No.00 | | 2 | | No.02 |
| No.02 | | 5 | | No.25 |

## ■ Playing an auto-rhythm

| | |
|---|---|
| ① After selecting an auto-rhythm, press the START/STOP button to start the rhythm. |  |
| ② Adjust the tempo using the TEMPO control buttons. Each press of [▲] speeds up the tempo, while pressing [▼] slows it down. The 3-digit display shows the tempo of the rhythm.<br>• *The tempo of the auto-rhythm can be adjusted between 40 and 256 beats per minute.* |  |
| ③ You can adjust the volume of the rhythm by using the RHYTHM VOLUME slider. |  |
| ④ Press the START/STOP button again to stop auto-rhythm play.<br>• *You can use the MUSICAL CONTROLLER buttons to start an auto-rhythm with intro pattern, inserting fill-ins to the rhythm, etc. Please refer to page 19, "Using MUSICAL CONTROLLER buttons" for details.* |  |



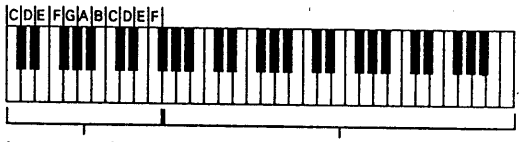
# 6 Auto-accompaniment

• *Refer to the general guide found on page 4-5 for exact locations of this keyboard controls and connections.*

This unit features 100 accompaniment patterns that let you add full accompaniments to your performances automatically.
You can select from two types of auto-accompaniment—simplified fingering chord play (CASIO CHORD ON) or standard fingering (FINGERED).

## ■ Accompaniment keyboard

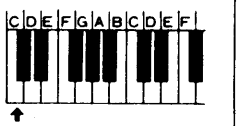
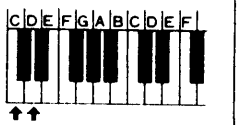
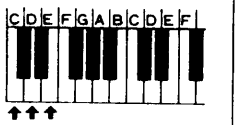
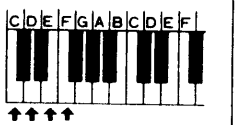
When you set the CASIO CHORD selector to FINGERED or ON, the keys of the lower 1.5 octave of the keyboard are the accompaniment keys and the rest of the keyboard is the melody section.




***Accompaniment keyboard*** ***Melody keyboard***

## ■ Playing an accompaniment using CASIO CHORD

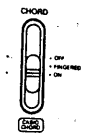
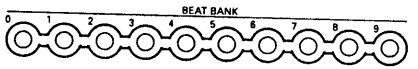
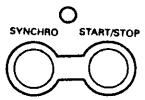
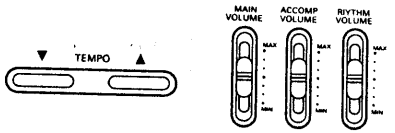
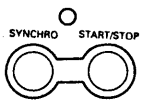
The Casio Chord system lets you easily play the four main types of chords. Playing of the chords is simplified as shown in the chart below.

| Keys | Chord Type | Example |
|---|---|---|
| Pressing **one** accompaniment key | Major chord | **C** (C Major Chord)  |
| Pressing **two** accompaniment keys | Minor chord | **Cm** (C Minor Chord)  |
| Pressing **three** accompaniment keys | Seventh chord | **C7** (C Seventh Chord)  |
| Pressing **four** accompaniment keys | Minor seventh chord | **Cm7** (C Minor Seventh Chord)  |

## Note

The bottom note that you play determines the name of the chord. For example, if the bottom note is C, the keyboard plays a C chord.

Follow these steps to play the Casio Chord auto-accompaniment.

| | |
|---|---|
| 1. Set the CASIO CHORD selector to the ON position. |   |
| 2. Select one of the auto-rhythms. (refer to "Auto-rhythms" on page 13) |   |
| 3. Start the auto-rhythm by pressing the START/STOP button. |   |
| 4. Press one to four accompaniment keys. The accompaniment automatically plays. | |
| 5. Adjust TEMPO [▲/▼], MAIN VOLUME slider, RHYTHM VOLUME slider and ACCOMP VOLUME slider. |   |
| 6. Press the START/STOP button to stop the auto-accompaniment. |   |

## Note

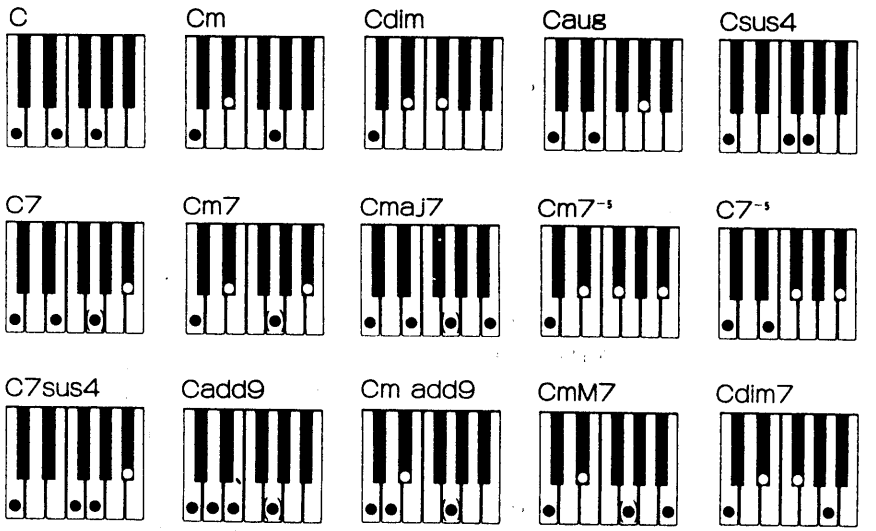
You can also use introductions, fill-ins and ending patterns in your accompaniment performance. See "Using the MUSICAL CONTROLLER buttons" on page 19.





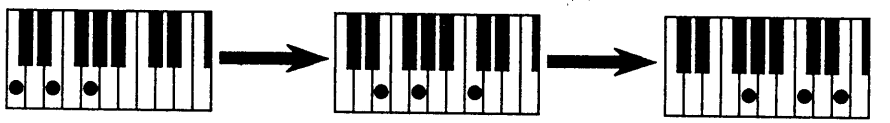
## ■ Playing an accompaniment using standard fingering

The standard fingering (FINGERED) mode lets you play a wider variety of chords. You can start an accompaniment pattern by pressing down either three or four of the proper accompaniment keys.
This unit is capable of recognizing 15 different chords. The following shows the fingerings of the recognized chords with a root of C. Note that the fingerings within parentheses can be omitted without changing the sound of the chord produced.



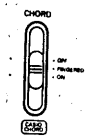
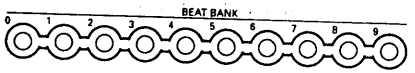
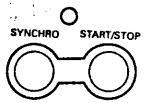
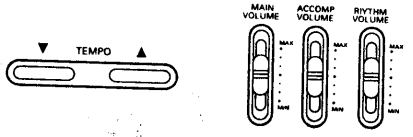
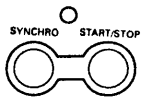

## Notes

Each of the above examples shows only one of the possible fingerings for each chord. Note that you can play a chord by pressing its notes in any combination. For example, each of the following fingerings produce the same C chord.



• *See the "List of fingered chord" on page 56 to 58 for infomation on the fingering of chords with all the roots.*

Follow these steps to play the standard fingering auto-accompaniment.

| | |
|---|---|
| 1. Set the CASIO CHORD selector to the FINGERED position. |  |
| 2. Select one of the auto-rhythms. (refer to "Auto-rhythms" on page 13) |  |
| 3. Start the auto-rhythm by pressing the START/STOP button. |  |
| 4. Press the accompaniment keys for the desired chord. | |
| 5. Adjust TEMPO [▲/▼], MAIN VOLUME slider, RHYTHM VOLUME slider and ACCOMP VOLUME slider. |  |
| 6. Press the START/STOP button to stop the auto-accompaniment. |  |

## Note

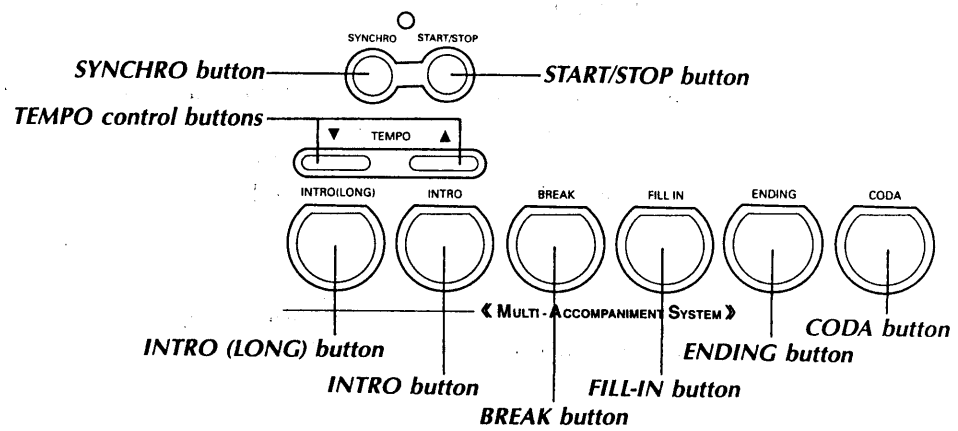
You can also use introductions, fill-ins and ending patterns in your accompaniment performance. See "Using the MUSICAL CONTROLLER buttons" on page 19.





## ■ Using the MUSICAL CONTROLLER buttons

The 10 MUSICAL CONTROLLER buttons give you control over the accompaniment patterns. When the CASIO CHORD selector is in the FINGERED or ON position, you can control all of the accompaniment patterns. When it is in the OFF position, you can control the rhythm pattern only.




*<MUSICAL CONTROLLER buttons>*

◆ **INTRO button**

This button inserts a light 1-measure introduction before starting the normal accompaniment pattern.

◆ **INTRO (LONG) button**

This button inserts a 4- to 5- measure introduction before starting the normal accompaniment pattern. The chord progression used in the intro leads into the progression used for the accompaniment. Even if you do not specify an accompaniment keyboard chord when you press this button for an intro, the unit automatically bases the intro on the last chord you played (or on Cmaj if you have switched the unit on and have not yet played a chord).

◆ **FILL-IN button**

When you press this button during play of an accompaniment, a 1- to 2-measure fill-in pattern is inserted.

◆ **BREAK button**
When you press this button during play of an accompaniment, a 1- to 2-measure pattern is inserted, which stops at the beginning of a subsequent pattern.

◆ **ENDING button**
When you press this button in place of the START/STOP button to end the accompaniment play, a 2- to 3-measure ending pattern is inserted before accompaniment play is stopped.

◆ **CODA button**
When you press this button in place of the START/STOP button to end the accompaniment play, a 4- to 5-measure long ending pattern is inserted before accompaniment play is stopped. The progression of chords used in the ending pattern are based on the chord that is being played when the you press this button.

◆ **SYNCHRO button**
Press this button, and the unit stands by waiting for you to play a note on the accompaniment keyboard. The selected rhythm pattern begins as soon as you press a key.

## ■ Using the AUTO HARMONIZE button

If this button is depressed during play of an accompaniment pattern, the chord selected on the accompaniment keyboard is automatically harmonized with notes played on the melody keyboard.

## ■ Using the ORCHESTRATION buttons

The auto-accompaniment patterns produced by this unit consist of 5 different elements; rhythm track, bass line, chord 1 pattern, chord 2 pattern and bass. The ORCHESTRATION buttons switch the sound of these elements (except the rhythm and bass line) ON and OFF. For example, if you want only a rhythm track and bass line for your accompaniement, you can turn off the other 3 elements.

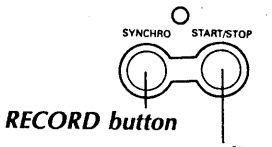
**ORCHESTRATION buttons:**
CHORD 1 button .....switches chord 1 sound on and off.
CHORD 2 button .....switches chord 2 sound on and off.
BASS button.....switches bass sound on and off.



# 7 Performance Memory Function

- *Refer to the general guide found on page 4-5 for exact locations of this keyboard controls and connections.*

The performance memory function lets you "record" notes as you play them on the keyboard. Up to 1,250 notes can be stored in memory for playback.




***RECORD button***

***Recording START/STOP button***

***<MEMORY buttons>***

## ■ Recording

① Start an auto-rhythm and adjust the tempo of the recording.
② Press the RECORD button to enter the recording standby mode. The light above the RECORD button flashes.
③ Set the CASIO CHORD selector to FINGERED or ON if you want to use auto-accompaniment in your recording. If not, set this switch to OFF.
④ Select the auto-rhythm you like.

- *If you don't want an auto-rhythm in your recording (or if you want to start an auto-rhythm during recording), press the Musical Controller START/STOP button here.*
- *If you want to start an auto-rhythm with intro pattern, press the INTRO button here.*
- *If you want to start an auto-rhythm using synchro start, press the SYNCHRO button here.*

⑤ Press the recording START/STOP button to start recording. Recording starts after one measure of beat count.
⑥ Play the keyboard as you like.
⑦ Press the recording START/STOP button again to stop recording.

◆ **Notes on recording**

- You can record changes in the following operations as well as keyboard play during recording.
  Changing preset tones.
  Changing auto-rhythms.
  Starting or stopping a rhythm track.
  Starting a rhythm track using an INTRO pattern.
  Inserting the FILL-IN patterns of rhythms.
  Ending the rhythm track with an ENDING pattern.
  ORCHESTRATION buttons setting (ON or OFF)
  AUTO HARMONIZE button setting (ON or OFF)

- TOUCH RESPONSE on/off setting cannot be recorded, though the TOUCH RESPONSE button is operable while recording.
- Memory capacity is approximately 1,250 notes. Operations such as changes in rhythms and tones are counted as a half-note.
- Recording automatically ends when you exceed the memory capacity.

## ■ Playing back memory contents

① Press the recording START/STOP button to play back your performance. The light above the RECORD button lights and playback starts.
② Press the recording START/STOP button again to stop playback.

## About memory back-up power....

The Performance Memory is electronic memory, which means that it retains its contents even when you switch power off, as long as power is supplied through the AC adaptor or by batteries. This means that Performance Memory contents will be lost when there are no batteries loaded (or when the batteries go dead) and the AC adaptor is not plugged in (or power through the AC adaptor is interrupted for any reason). Note the following advice to keep your Performance Memory data safe.

- *Make sure that the batteries loaded in the keyboard never go dead.*
- *When replacing batteries, be sure to connect the AC adaptor to supply power first. See the section of this manual titled: "Installing the batteries" for full details.*



# 8 MIDI Functions

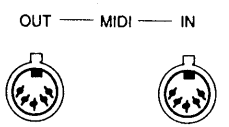
- *Refer to the general guide found on page 4-5 for exact locations of this keyboard controls and connections.*

## ■ What is MIDI?

"MIDI" stands for "Musical Instrument Digital Interface". Practically speaking, it lets you connect this keyboard to other MIDI-equipped musical instruments and devices, such as synthesizers, drum machines, sequencers, and even personal computers.

## ■ MIDI terminal functions

MIDI IN — Receives external MIDI messages.
MIDI OUT — Sends MIDI messages to external devices.




***MIDI terminals***

## ■ Communicable Functions

The following functions can be sent and received through the CT-700's MIDI terminals. For details on the MIDI functions, see the "MIDI Implementation Chart" inside the back cover of this manual.

**Note Number, Velocity**
Keyboard pitch ON/OFF, Touch Response data.

- Note number messages are sent/received regardless of the position of the CASIO CHORD selector. However, it is recommendable to set this selector to OFF position when you use the MIDI function of this unit.
- When TOUCH RESPONSE button is OFF, the velocity data can be sent but not received.

**Program Change**
The tone number 00 ~ 99 of this unit corresponds to the program change number 0 ~ 99.

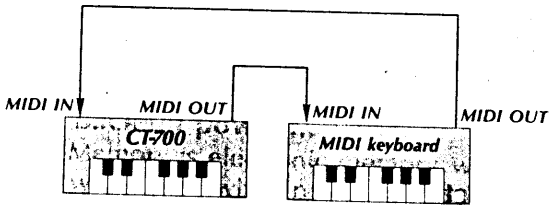
**Sustain pedal ON/OFF**
Sustain pedal ON/OFF data can be sent when you connect an optional sustain pedal (SP-2 or SP-10) to the SUSTAIN jack of the CT-700.

## Note

The auto-accompaniment data, the demonstration tune performance data or the performance memory data cannot be sent as MIDI data.

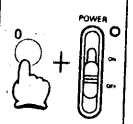
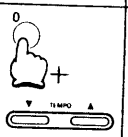
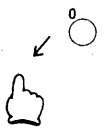
**≪Connection example≫**

By connecting MIDI OUT terminal of the CT-700 to MIDI IN terminal of another MIDI keyboard, the MIDI keyboard plays the same note as you play on the CT-700. The result is, the sounds of both keyboards can be played in ensemble to make a "thick" voice or totally new sound.




## ■ Setting the MIDI channel

In order to communicate with other MIDI devices, the MIDI channel numbers of both units must match. The MIDI channel can be set between channel 1 and channel 16. Follow the steps below to set the MIDI channel of the CT-700.

| | | |
|---|---|---|
| ① Turn the power of the unit ON while holding down the TONE selector 0 button. |  | |
| ② While still holding down the TONE selector 0 button, press TEMPO control buttons ▲ or ▼ to set the MIDI channel. |  | The display will show the MIDI channel. |
| ③ Release the TONE select 0 button to exit MIDI channel setting. |  | |

- The same MIDI channel is applied to both transmition and reception of MIDI data.



# 9 Troubleshooting

- *For any malfunction, always check battery condition first. (see page 6-7)*

| Trouble | Possible Cause | Remedy |
|---|---|---|
| **No sound, even if keys are pressed.** | 1. Main volume turned down.<br>2. Headphones connected.<br>3. Auto power off has activated. | 1. Turn up main volume.<br>2. Disconnect headphones.<br>3. Turn the POWER switch off and then on again. |
| **No rhythm.** | Main and rhythm volume turned down. | Turn up main and rhythm volume. |
| **No accompaniment.** | Main and accompaniment volume turned down. | Turn up main and accompaniment volume. |
| **Occasional interference.** | Refrigerators, washing machines and similar electric appliances. | Use outlet as far away as possible from appliance thought to be the cause. |
| **No sound when connected to external amplifier.** | 1. Main volume turned down.<br>2. Defective connection cord. | 1. Turn up main volume.<br>2. Replace connection cord. |

# 10 Care of Your Keyboard

1. **Avoid heat, humidity or direct sunlight.**
   Do not overexpose the unit to direct sunlight, or place near an air conditioner, or in any extremely hot place.

2. **Take care not to drop the unit and avoid strong impact.**
   Strong impact may cause malfunctions. When carrying or transporting the unit, protect the keyboard and switches with soft cloth or other material.

3. **Keep the unit free of liquids, dust, etc.**
   Do not allow foreign matter to get between the keys, especially metallic objects such as hairpins, sewing needles or coins. Also, do not let the unit get wet.

4. **Never attempt to modify any parts of the unit.**
   The unit is a precision instrument, made of electronic parts. Any modification of, or tampering with inner parts may cause malfunction.

5. **Do not use lacquer, thinner or similar chemicals for cleaning.**
   Clean the keyboard with a soft cloth dampened in a weak solution of water and a neutral detergent. (Soak the cloth in the solution and squeeze until it is almost dry.)



# 11 Specifications

| | |
|---|---|
| **Model:** | CT-700 |
| **Number of keys:** | 61 |
| **Polyphony:** | 12-note (Max.) |
| **Preset tones:** | 100 |
| **Auto-rhythms:** | 100 |
| **Multi-accompaniment system:** | |
| • Casio Chord; | ON/FINGERED |
| • Musical controller; | INTRO, INTRO(LONG), FILL-IN, BREAK, ENDING, CODA |
| • Effects; | ORCHESTRATION (CHORD 1, CHORD 2, BASS), AUTO HARMONIZE |
| **Real-time memory:** | Up to 1,250 notes |
| **Terminals:** | Sustain jack, AC adaptor jack (DC 9V), headphone jack, MIDI (IN/OUT) |
| **Tuning control:** | A4=442Hz ± 30 cents |
| **Built-in speakers:** | 12 cm dia x 2 (output 1.2W+1.2W) |
| **Auto power off:** | Approximately 6 minutes after the last operation |
| **Power source:** | 3-way AC/DC power source; |
| • AC: | 100, 117, 220, 240V (±10V), 50/60 Hz, with optional AD-5 AC adaptor |
| • DC: | 6 D size (SUM-1/R20P) manganse dry batteries<br>Battery life: Approximately 8 hours |
| • Car battery: | Requires optional CA-5 car adaptor |
| **Power consumption:** | 7.7W |
| **Dimensions:** | 950(W) x 372(D) x 126(H)mm<br>37 3/8"(W) x 14 5/8"(D) x 4 15/16"(H) |
| **Weight:** | 6.1 kg (13.5 lbs) including batteries |
| **Standard accessories:** | 6 "D" size batteries, score stand |

*Designes and specifications are subject to change without notice.*

## GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (not applicable to other areas).

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

..... reorient the receiving antenna
..... relocate the equipment with respect to the receiver
..... move the equipment away from the receiver
..... plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.